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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/890,550	01/14/2002	Kazutaka Majima	2000-22	4691
7590 10/28/2004			EXAMINER	
J Rodman Steele Jr Akerman Senterfitt & Eidson			VO, HAI	
Post Office PO			ART UNIT	PAPER NUMBER
West Palm Beach, FL 33402-3188			1771 DATE MAILED: 10/28/2004	
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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Summary	09/890,550	MAJIMA ET AL.				
	Examiner Hai Vo	Art Unit				
The MAILING DATE of this communication a Period for Reply		ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR of after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a replication of the period for reply specified above, the maximum statutory perions after the reply within the set or extended period for reply will, by statuany reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a reply within the statutory minimum of third d will apply and will expire SIX (6) MON	reply be timely filed by (30) days will be considered timely. ITHS from the mailing date of this communication.				
Status						
1) Responsive to communication(s) filed on 18	October 2004					
l — ·	is action is non-final.					
Since this application is in condition for allows closed in accordance with the practice under	ance except for formal matte	ers, prosecution as to the merits is . 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 43-54 is/are pending in the application 4a) Of the above claim(s) is/are withdrays s/are allowed. 5) Claim(s) 43-46,50 and 51 is/are allowed. 6) Claim(s) 47 and 52 is/are rejected. 7) Claim(s) 48,49,53 and 54 is/are objected to. 8) Claim(s) are subject to restriction and/or	awn from consideration.					
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	ction is required if the drawing(s xaminer. Note the attached	s) is objected to. See 37 CFR 1.121(d). Office Action or form PTO-152				
Priority under 35 U.S.C. § 119	,					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureau * See the attached detailed Office action for a list	is have been received. Is have been received in Ap rity documents have been re u (PCT Rule 17.2(a)).	plication No eceived in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)						
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/l	Mail Date property of the common state of the common of the common state of the common state of the common of the commo				

Application/Control Number: 09/890,550

Art Unit: 1771

1. The art rejections are withdrawn.

Double Patenting

Page 2

2. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

3. Claims 47 and 52 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-34 of copending Application No. 10/018708. Although the conflicting claims are not identical, they are not patentably distinct from each other because the combination of claims 2 and 5 reads on every element of the presently claimed subject matter.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:
A person shall be entitled to a patent unless –

Application/Control Number: 09/890,550

Art Unit: 1771

Page 3

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 5. Claims 47 and 52 are rejected under 35 U.S.C. 102(a) as being anticipated by WO 99/38651. WO'651 teaches a polishing apparatus comprising a plurality of bonded plates 10, 34, 38 and 44 made of SiC having a thermal conductivity of 29 W/m.K or more and a plurality of fluid passages 32 formed in a bonding interface of the plates 30 and 34 (figure 3, page 9, lines 15-25). It is the examiner's position that WO'651 anticipates the claimed subject matter.

Allowable Subject Matter

- 6. Claims 43-46, 50, and 51 are allowed.
- 7. Claims 48, 49, 53 and 54 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Tsukada teaches a heat resistant composite body suitable for use in heat resistant jigs comprising silicon carbide crystal with an average size grain within the claimed range, having the thermal conductivity and porosity within the claimed ranges and even the amount of impregnating metal silicon within the claimed range. There is no motivation to combine WO'651 and Tsukada to arrive at the grinding table of the presently claimed invention. One of skill in the art would not look to the Tsukada invention which is associated with the high resistant jig when faced with the problem of thermal conductivity and porosity of the grinding table. Additionally, the inclusion of a bonding layer formed from the metal silicon to bond the ceramic

Art Unit: 1771

metal composite base materials renders the instant claims patentable over the prior art.

8. The art rejections over Ashmead et al (US 5,534,328) in view of Tsukada (US 4,846,673) as evidenced by Kassir et al (US 5,964,646) are withdrawn for the following reasons. Ashmead is directed to an integrated chemical processing apparatus having two inlet ports 20 and 24 enabling the flow of reactants into the apparatus and two outlet ports 30 and 34 enabling the flow of reactants out of the apparatus (figure 1). One of skill in the art would not be motivated to use the integrated chemical processing apparatus for the grinding a semiconductor wafer since these inlet and outlet ports on the top surface of the apparatus would interfere with the grinding process.

Conclusion

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai Vo whose telephone number is (571) 272-1485. The examiner can normally be reached on M,T,Th, F, 7:00-4:30 and on alternating Wednesdays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris can be reached on (571) 272-1478. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information

Application/Control Number: 09/890,550

Art Unit: 1771

Page 5

for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pairdirect.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (tollfree).

Hai Vo Tech Center 1700

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